



March 22, 2001

Mr. Frank Faranca  
Case Manager  
NJDEP  
Division of Responsible Party Site Remediation  
Bureau of Federal Case Management  
CN 028  
Trenton, NJ 08625-0028

RE: NJPDES-DGW Permit 0086487 Effective March 1, 2000

Dear Mr. Faranca:

Two copies of the Discharge to Groundwater Report consisting of one (1) T-VWX-014, seven (7) VWX-015 Groundwater Analysis – Monitoring Well reports and report Sections 1.0 through 7.0 for the January through March 2001 quarter are enclosed.

Detection Monitoring was performed in accordance with Part 4-DGW Table 2, using the Ground Water Sampling and Analysis Plan approved in April 1996.

Lenox inspection logs were reviewed and a summary of the logs for the quarter is enclosed.

The "Mann-Whitney U-Test" statistical analysis of the ground water TCE results from the five (5) sentinel wells over the eight (8) sampling quarters ending October 1999 was rolled forward five quarters to cover the January 2001 data and is included in section 7 of the report. The null-hypothesis is accepted for sentinel wells MW-76, MW-77, MW-78 and MW-79A and we cannot conclude that the TCE concentrations are decreasing for the fifth quarter's data set. However, these wells do not demonstrate an order of magnitude increase. In addition, the null hypothesis was not accepted for MW-75 and we can conclude that concentrations decreased over the second year.

The **bold** data in the tables denotes elevated results, which exceed the site-specific GWQC's for lead (10ug/l) and zinc (36.7 ug/l) as determined by calculating their arithmetic means from data reported in a 3-year study. Trichloroethylene levels are compared to the New Jersey limit of 1.0 ppb. Please note:

- MW-3 continues to show elevated lead and zinc, as has been historically noted;
- MW-3, MW-4, MW-72, MW-73 and MW-74 showed slightly elevated total lead this quarter, as has been historically noted. Note that MW-4, MW-72, MW-73 and MW-74 did not show elevated levels of dissolved total lead this quarter;

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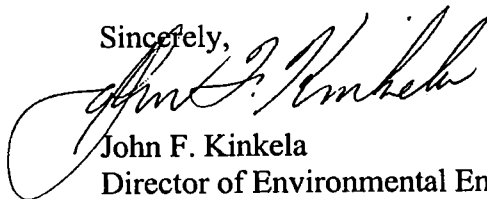
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- B-31, MW-3, MW-4, MW-15, MW-17, MW-25,, MW-73 and MW-74, showed elevated levels of zinc, as has been historically noted;
- Of the fifteen (15) wells sampled for TCE this quarter, seven (7) were somewhat higher than last quarter, MW-10, MW-12S, MW-15, B-31, MW-77, MW-78, and MW-81. Four (4) wells decreased this quarter.
- TCE was elevated in two (2) of the five (5) downgradient sentinel wells, MW-77 and MW-78. One (1) sentinel well, MW-79, showed a decrease while MW-77 (although still not elevated) and MW-78 showed a minor increase from the previous quarter. Wells MW-75 continues to be non-detect. This quarter's results continue to indicate that the levels are stabilizing or starting to decrease and thus may return to normal levels during the next several rounds;
- The Monthly Daily Average Flows for the quarter were 359,000 gallons per day for December, 351,000 gallons per day for January and. 341,000 gallons per day for February;
- The GAC Treatment System, unfiltered, mid and effluent samples contained a low level (less than background) of total lead (4.0 and 4.0 ug/l respectively). Lead was not detected in either the unfiltered influent sample or the filtered influent, mid and effluent samples;
- The unfiltered GAC Treatment System influent and effluent water samples contained elevated lead and zinc levels. Filtered samples were non-detect for lead while zinc levels were elevated. The zinc is attributed to the higher zinc levels previously observed in B-31 and other wells. As this is the first time that elevated unfiltered lead levels have occurred, they may be anomalous. Accordingly, results from the next round of samples must be obtained before we can comment further.
- The volatile organic compound cis-1,2-dichloroethene was detected in two (2), wells-MW-10 (2.9 ug/L) and MW-79A (1.3 ug/L), of the fifteen (15) monitoring wells sampled for VOC's. For the first time, 1,1-dichloroethene was detected in one of the wells MW-79A
- MW-10, MW-12S, MW-15, MW-25, B-31, B-59, MW-77, MW-78, MW-81 and the GAC treatment system influent show elevated TCE, as has been historically noted.

Please call (609) 965-8272 if there are any questions.

Sincerely,



John F. Kinkela  
Director of Environmental Engineering

Enclosures    -Pomona DGW and TCE Quarterly Groundwater Monitoring Report – January 2001 Monitoring Round  
                  -Summary of Inspection Logs – January through March 2001 Quarter

bcc: J.H. Ennis (w/attachments)  
L.A. Fantin, Lenox (w/attachments)  
Andrew Park (w/attachments)  
File

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION  
DIVISION OF WATER RESOURCES

Form T-VWX-14

MONITORING REPORT - TRANSMITTAL SHEET

NJPDES No.

0086487

REPORTING PERIOD

MO YR MO YR

0101 thru 0301

PERMITEE:

Name LENOX INCORPORATED  
Address 100 LENOX DRIVE  
LAWRENCEVILLE, NEW JERSEY 08648

FACILITY:

Name LENOX CHINA, A DIVISION OF LENOX INCORPORATED  
Address TILTON ROAD  
POMONA, NEW JERSEY 08240 (County) ATLANTIC  
Telephone (609) 965-8272

FORMS ATTACHED (Indicate Quantity of Each)

SLUDGE REPORTS - SANITARY

☐ T-VWX-007 ☐ T-VWX-008 ☐ T-VWX-009

SLUDGE REPORTS - INDUSTRIAL

☐ T-VWX-010A ☐ T-VWX-010B

WASTEWATER REPORTS

☐ T-VWX-011 ☐ T-VWX-012 ☐ T-VWX-013A

GROUNDWATER REPORTS (As per permit)

☒ VWX-015 ☐ VWX-016 ☐ VWX-017

NJPDES DISCHARGE MONITORING REPORT

☐ EPA FORM 3320-01

OPERATING EXCEPTIONS

YES NO

DYE TESTING ☐ ☐

TEMPORARY BYPASSING ☐ ☐

DISINFECTION INTERRUPTION ☐ ☐

MONITORING MALFUNCTIONS ☐ ☐

UNITS OUT OF OPERATION ☐ ☐

OTHER ☐ ☐

(Detail any "yes" on reverse side  
in appropriate space.)

AUTHENTICATION -

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PRINCIPAL EXECUTIVE OFFICER or  
DULY AUTHORIZED REPRESENTATIVE

LICENSED OPERATOR

Name

Grade & Registry No.

Signature

Name JOHN F. KINKELA

Title DIR. OF ENVIRONMENTAL ENGINEERING

Signature *John F. Kinkela* 3-23-01

Document Transmittal Form

Facility Name Lenox Clusia  
EPA ID Number NJD 002325074

Date of document 3/22/01

Category 6C-1 For "Correspondence" include: To Frank Faramica  
From John Kinkela  
Subject Discharge to Groundwater  
Report

For "Other" category include: Description \_\_\_\_\_

For "Reports" include: Title \_\_\_\_\_  
Author \_\_\_\_\_

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Project Manager Signature

[Signature]